

CD209 Monoclonal Antibody

CAB9649

Description

This CD209 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB9649
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	CDSIGN, CLEC4L, DC-SIGN, DC-SIGN1, hDC-SIGN, CD209
Clone:	ARC1679
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	30835
Uniprot:	AB_2863747
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	45-55 kDa
Calculated MW:	46 kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

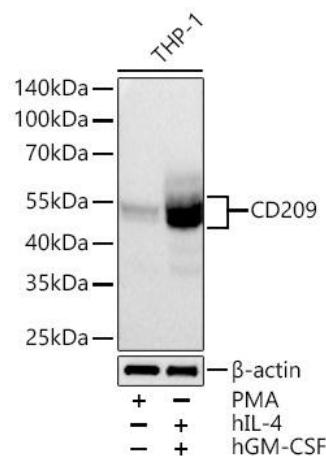
Positive Sample: THP-1 treated with hIL-4 and hGM-CSF

Recommended Dilutions:

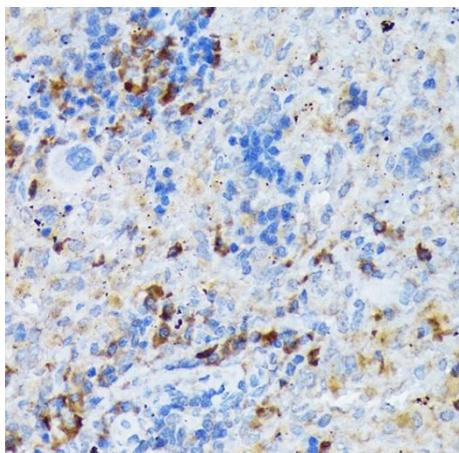
WB	1:500 - 1:1000
IHC-P	1:100 - 1:400
IF/ICC	1:100 - 1:400
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

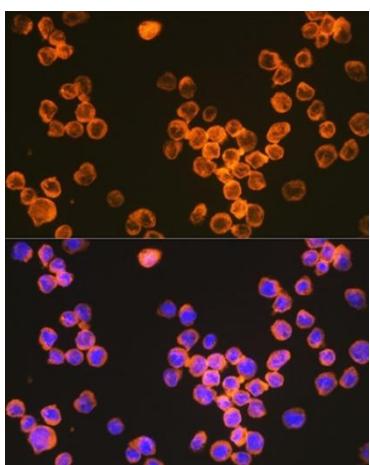
Validation Data



Western blot analysis of lysates from THP-1 cells using Rabbit mAb (CAB9649) at 1:1000 dilution incubated overnight at 4°C. THP-1 cells were treated with PMA (80nM) for 72 hours, or treated with hIL-4 (20 ng/mL) for 4 days and hGM-CSF (40 ng/mL) for 4 days. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60 s.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using Rabbit mAb (CAB9649) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of THP-1 cells using Rabbit mAb (CAB9649) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.